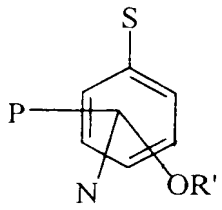
Claims

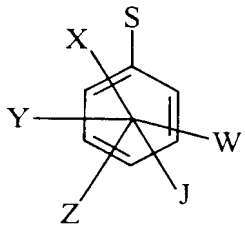
1. A liquid cleaning composition comprising an oxidising agent and a radical scavenger which is selected from the group consisting of:

(i)



Wherein S is either $-COO^-M^+$ or $-SO_3^-M^+$; P and N are substituents of the benzene ring being either -OR', -H, $-COO^-M^+$, -Cl, -Br, $-SO_3^-M^+$, $-NO_2$, $-OCH_3$, or a C_1 to C_{10} primary and secondary alkyl groups; R' is C2-20 linear or branched alkyl chain; M is either H or a metal.

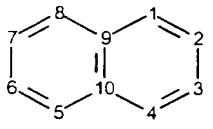
(ii)



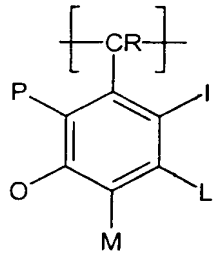
wherein S is either $-COO^-M^+$ or $-SO_3^-M^+$; X, Y, Z, W are are substituents of the benzene ring being either $-COO^-M^+$, -Cl, -Br, $-SO_3^-M^+$, $-NO_2$, -OR' (with R'=linear or branched alkyl chain C1-C20), or a C_1 - C_{10} primary and secondary alkyl groups; J is -H, $-COO^-M^+$, -Cl, -Br, $-SO_3^-M^+$, $-NO_2$, -OR' (with R'=linear or branched alkyl chain C1-C20), or a C_1 to C_{10} primary and secondary alkyl group and M is either H or a metal.

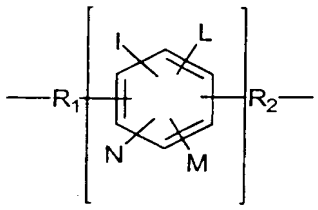
(iii) naphtalene derivatives wherein the carbon atoms in position 1 to 8 (see below figure for carbon numbering) are substituted with S, A, B, C, D, E, F, G groups and wherein:

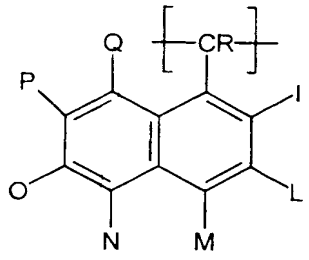
S is either -COO^-M^+ or -$SO_3^-M^+$; A, B, C, D are -COO^-M^+, -Cl, -Br, -$SO_3^-M^+$, -NO_2, -OR' (with R'=linear or branched alkyl chain C1-C20), or a C_1 to C_{10} primary and secondary alkyl groups; E, F and G are either -H, -COO^-M^+, -Cl, -Br, -SO_3^- , -NO_2, -OR' (with R'=linear or branched alkyl chain C1-C20), or a C_1 to C_{10} primary and secondary alkyl group and M is H or a metal.

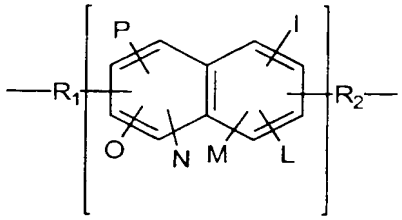


(iv) homo or copolymers containing either as a part of the repeating unit(s) or as a side chain substituent one or more residues of the type:









wherein I, L, M, N, O, P, Q are either H, -COO^-M^+, -$SO_3^-M^+$, -Cl, -Br, -$SO_3^-M^+$, -NO_2, -OR' (with R'=linear or branched alkyl chain C1-C20) or a C_1 - C_{10} primary and secondary alkyl groups; R is either H, -COO^-M^+, -$SO_3^-M^+$, -Cl, -Br, -$SO_3^-M^+$, -NO_2, -OR' (with R'=linear or branched alkyl chain C1-C20), -OH or a C_1 - C_{10} primary and secondary alkyl groups; R1 and R2 are either -CH_2-, -CHR-, -CRR-, -CO-, -CO-O-, -CO-NH-, -O-, -CH_2CH_2O-, -$N^+(R)_2$-, -(N->O)- and M is either H or a metal.

(v) mixtures thereof.

2. A composition according to the preceding claim wherein the radical scavenger is selected from the group consisting of 2,3,4,5 tetramethoxy benzoic acid; 2,3,4,5,6 pentamethoxy benzoic acid; polystyrene; polystyrene sulfonate; styrene:maleic acid copolymer; styrene:acrylic acid copolymer; styrene:ethylene glycole graft polymers; poly(ethyleneglycol) di-toluene sulfonate; poly hydroxy benzoic acid; poly hydroxy styrene; poly methyl stryrene; polystyrene divinyl benzene; poly vinyl phenol; and mixtures thereof.

3. A composition according to any preceding claim wherein the oxidising agent is a hypohalite, preferably hypochlorite bleach.

4. A composition according to any preceding claim additionally comprising a brightener.

5. A composition according to claim 4 wherein the brightener is Tinopal PLC and/or Optiblanc BRB.

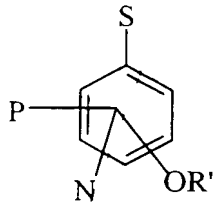
6. A composition according to any preceding claim additionally comprising a surfactant selected from the group consisting of anionic, nonionic, cationic, amphoteric, zwitterionic surfactants and mixtures thereof.

7. A composition according to claim 6 comprising an anionic surfactant selected from alkyl sulphate, alkyl ether sulphate and mixtures thereof.

8. A composition according to any preceding claim in thickened liquid, preferably aqueous form.

9. The use of a compound having the formula

(i)



Wherein S is either $-COO^-M^+$ or $-SO_3^-M^+$; P and N are are substituents of the benzene ring being either -OR', -H, $-COO^-M^+$, -Cl, -Br, $-SO_3^-M^+$, $-NO_2$, $-OCH_3$, or a C_1 to C_{10} primary and secondary alkyl groups; R' is C2-20 linear or branched alkyl chain; M is either H or a metal.

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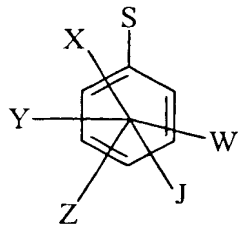
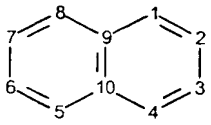


wherein S is either $-COO^-M^+$ or $-SO_3^-M^+$; X, Y, Z, W are are substituents of the benzene ring being either $-COO^-M^+$, -Cl, -Br, $-SO_3^-M^+$, $-NO_2$, -OR' (with R'=linear or branched alkyl chain C1-C20), or a C_1 - C_{10} primary and secondary alkyl groups; J is -H, $-COO^-M^+$, -Cl, -Br, $-SO_3^-M^+$, $-NO_2$, -OR' (with R'=linear or branched alkyl chain C1-C20), or a C_1 to C_{10} primary and secondary alkyl group and M is either H or a metal.

(iii) naphtalene derivatives wherein the carbon atoms in position 1 to 8 (see below figure for carbon numbering) are substituted with S, A, B, C, D, E, F, G groups and wherein:
S is either $-COO^-M^+$ or $-SO_3^-M^+$; A, B, C, D are $-COO^-M^+$, -Cl, -Br, $-SO_3^-M^+$, $-NO_2$, -OR' (with R'=linear or branched alkyl chain C1-C20), or a C_1 to C_{10} primary and secondary alkyl groups; E, F and G are either -H, $-COO^-M^+$, -Cl, -Br, $-SO_3^-M^+$, $-NO_2$, -OR' (with R'=linear or branched alkyl chain C1-C20), or a C_1 to C_{10} primary and secondary alkyl group and M is H or a metal.



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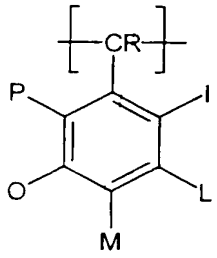

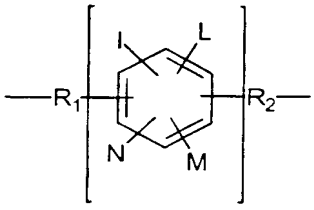

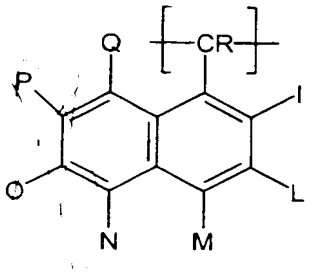

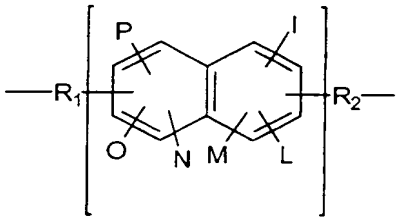

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(v) mixtures thereof.

as a radical scavenger.